

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005824

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C01G23/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C01G23/00-57/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho | 1922-1996 | Toroku Jitsuyo Shinan Koho | 1994-2004 |
| Kokai Jitsuyo Shinan Koho | 1971-2004 | Jitsuyo Shinan Toroku Koho | 1996-2004 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAS (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X A | JP 2002-167281 A (Kyocera Corp.), 11 June, 2002 (11.06.02), Detailed explanation, Par. Nos. [0021] to [0049]; table 1 (Family: none) | 1-5 6-13 |
| X A | JP 2002-60219 A (Murata Mfg. Co., Ltd.), 26 February, 2002 (26.02.02), Claims; detailed explanation, Par. Nos. [0013] to [0039]; tables 1 to 7 (Family: none) | 1-5 6-13 |
| X A | JP 2001-316114 A (Murata Mfg. Co., Ltd.), 13 November, 2001 (13.11.01), Claims; detailed explanation, Par. Nos. [0041] to [0091]; tables 1 to 5 & EP 1130004 A1 | 1-5 6-13 |

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search
30 July, 2004 (30.07.04)Date of mailing of the international search report
17 August, 2004 (17.08.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X A | JP 2002-211926 A (Toda Kogyo Kabushiki Kaisha), 31 July, 2002 (31.07.02), Claims; detailed explanation, Par. Nos. [0019] to [0064]; table 3 & EP 1205440 A1 | 1-5 6-13 |
| A | JP 04-132614 A (Murata Mfg. Co., Ltd.), 06 May, 1992 (06.05.92), (Family: none) | 1-13 |
| A | JP 04-74715 A (Kabushiki Kaisha Koroido Research), 10 March, 1992 (10.03.92), (Family: none) | 1-13 |
| A | JP 63-236713 A (Teikoku Kako Kabushiki Kaisha), 03 October, 1988 (03.10.88), (Family: none) | 1-13 |